

**METHOD OF ADDING WATER INSOLUBLE ORGANIC CHEMICALS
TO STYRENE-BUTADIENE RUBBER LATEX DISPERSIONS AND
RESULTING STYRENE-BUTADIENE RUBBER LATEX DISPERSIONS**

Abstract of the Disclosure

The present invention is a method of incorporating a water insoluble organic chemical into a styrene-butadiene rubber latex dispersion and the resulting styrene-butadiene rubber latex dispersion. A styrene-butadiene rubber latex dispersion is provided comprising an aqueous phase and a disperse phase, with the disperse phase including particles of styrene-butadiene rubber. An organic solvent that is miscible in water and the water insoluble organic chemical are added together to the styrene-butadiene rubber latex dispersion. The addition of the water-miscible organic solvent allows the water insoluble organic chemical to pass from the aqueous phase into the disperse phase thus limiting separation of the water insoluble organic chemical from the latex dispersion. The resulting SBR latex has increased properties over conventional latices that use the same amount of the water insoluble organic chemical but that do not include the water-miscible organic solvent.

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